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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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APR 01 2002

Application Number	09/882,193
Filing Date	June 13, 2001
First Named Inventor	Empedocles, Stephen Alexander
Group Art Unit	1651
Examiner Name	
Attorney Docket Number	019916-003810US

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
✓	AA	6,114,038		Castro et al.	09/05/2000	
	AB	6,207,392	B1	Weiss et al.	03/27/2001	
	AC	6,274,323	B1	Bruchez et al.	08/14/2001	
	AD	6,287,768	B1	Chenchik et al.	09/11/2001	
	AE	6,306,610	B1	Bawendi et al.	10/23/2001	
	AF	6,309,701	B1	Barbera-Guillem	10/30/2001	
	AG	6,327,410	B1	Walt et al.	12/04/2001	

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AH							
	AI							

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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✓	AJ	Chan, et al., "Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection," <i>Science</i> , 281:2016-2018 (9/25/1998)	
✓	AK	Duggan, et al. "Expression Profiling Using cDNA Microarrays" <i>Nature Genetics Supplement</i> , 21:10-14 (01/1999)	
✓	AL	Empedocles, et al., "Photoluminescence from single semiconductor nanostructures," <i>Adv. Mater.</i> , 11(15):1243-1256 (1999)	
✓	AM	Empedocles, et al., "Detection and spectroscopy of single CdSe nanocrystallite quantum dots," <i>Dissertation Abstracts International</i> , 60(12):6163-B (6/2000)	
✓	AN	Empedocles, et al., "9 Photoluminescence from single semiconductor nanostructures," Edited by Wang, Zhong Lin, <i>Charact. Nanophase Mater.</i> , pp. 261-287 (2000)	

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Signature

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Date

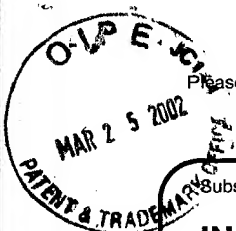
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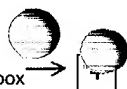
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Sheet

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M	AO	Empedocles, et al., "Spectral diffusion of ultra-narrow fluorescence spectra in single quantum dots," Matter. Res. Soc. Symp. Proc., 452:335-340 (1997)	
	AP	Empedocles, et al., "Influence of spectral diffusion on the line shapes of single CdSe nanocrystallite quantum dots," J. Phys. Chem., 103:1826-1830 (B 1999)	
	AQ	Empedocles, et al., "Photoluminescence spectroscopy of single CdSe nanocrystallite quantum dots," Physical Review Letters, 77(18):3873-3876 (10/28/96)	
	AR	Empedocles, et al., "Quantum-confined stark effect in single CdSe nanocrystallite quantum dots," Science, 287:2114-2117 (12/19/97)	
	AS	Empedocles, et al., "Spectroscopy of single CdSe nanocrystalites," Acc. Chem. Res., 32:389-396 (1999)	
	AT	Heidelberg, et al., "DNA sequence of both chromosomes of the cholera pathogen vibrio cholerae" Nature, Vol. 406 (08/2000)	
	AU	Helgason, et al., "Bacillus anthracis, bacillus cereus, and bacillus thuringiensis - one species on the basis of genetic evidence" Applied and Environmental Microbiology, 66(6):2627-2630 (06/2000)	
	AV	Koch, et al., "Optical flow-cell multichannel immunosensor for the detection of biological warfare agents" Biosensors & Bioelectronics, 14:779-784 (06/2000)	
	AW	Leatherdale, et al., "Photoconductivity in CdSe quantum dot solids," Physical Review B: Condens. Matter Mater. Phys., 62(4):2669-2680 (07/15/00)	
	AX	Leatherdale, et al., "Charge generation and transport in CsSe semiconductor quantum dot solids," Mat. Res. Soc. Symp. Proc., 571:191-196 (2000)	
	AY	Lee, et al., "Rapid Detection and Identification of Biological and Chemical Agents by Immunoassay, Gene Probe Assay and Enzyme Inhibition Using a Silicon-based Biosensor" Biosensors & Bioelectronics, 14:795-804 (2000)	
	AZ	Mahtab, et al., "Preferential adsorption of a "kinked" DNA to a neutral curved surface: Comparisons to and implications for nonspecific DNA-protein interactions," J. Am. Chem. Soc., 118:7028-7032 (1996)	
	AAA	Mattoussi, et al., "Self-assembly of CdSe-ZnS quantum dot bioconjugates using an engineered recombinant protein, J. Am. Chem. Soc., 122:12142-12150 (2000)	
	ABB	Neuhauser, et al., "Correlation between fluorescence intermittency and spectral diffusion in single semiconductor quantum dots, Physical Review Letters, 85(15):3301-3304 (10/09/00)	
	ACC	Rogers, Kim, R. "Principles of Affinity-Based Biosensors" Molecular Biotechnology, 14:109-129 (2000)	

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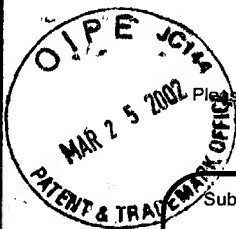
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Sheet **5** of **5**

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VR	ADD	Shimizu, et al., "Stark spectroscopy investigation of spectral diffusion in single CdSe quantum dots," Electrochemical Society Proceedings, 98(19):280-285 (1999)	
W	AEE	Yu, et al. "Detection of Biological Threat Agents by Immunomagnetic Microsphere-based Solid Phase Fluorogenic- and Electro-chemiluminescence" Biosensors & Bioelectronics, 14: 829-840 (2000)	
	AFF		

Examiner Signature		Date Considered	July 02
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